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Claims

1. A data base for the storage of data, which comprises dental data concerning universally applicable dentition-specific and/or universally applicable tooth-specific features, characterized in that the dental data illustrate real teeth as images in digitized form and this digitized form also involves universally applicable dentition-specific or tooth-specific features or structural properties, such as sex-specific and/or tooth family-specific and/or biography-specific and/or person-specific characteristics, with or without anomalous characteristics.
2. A data base as defined in claim 1, characterized in that the dental data are associated with an actual person.
3. A data base as defined in claim 1 and claim 2, characterized in that the dentition-specific structure comprises data representing the number, position, character, and anomalies of teeth of various types as well as their cooperation with each other.
4. A data base as defined in any one of claims 1 to 3, characterized in that a materialized dentition-specific structure has been ascertained from any number of individual dentition-specific structures of individual dentitions.
5. A data base as defined in any one of claims 1 to 4, characterized in that an individualized materialized dentition-specific structure has been ascertained from any number of individual dentition-specific structures of individual dentitions.
6. A data base as defined in any one of claims 1 to 5, characterized in that the tooth-specific structure consists of data which represent the position, shape, character, and

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anomalies of an individual tooth at any position in the dentition.

7. A data base as defined in any one of claims 1 to 6, characterized in that a materialized tooth-specific structure has been ascertained from any number of individual tooth-specific structures of individual teeth situated at the same position in the dentition.

8. A data base as defined in any one of claims 1 to 7, characterized in that an individualized materialized tooth-specific structure has been ascertained from any number of individual tooth-specific structures of individual teeth situated at the same position in the dentition.

9. A data base as defined in any one of claims 1 to 8, characterized in that in the data base(s) there are additionally stored data relating to dental design features based on the dentition-specific and/or tooth-specific structure.

10. A data base as defined in any one of claims 1 to 9, characterized in that the data base(s) are located directly on the premises, or when the data base(s) are not located on the premises, they can be situated at any place in the world and accessed by telecommunication means.

11. A data base as defined in any one of claims 1 to 10, characterized in that the data base is equipped with one or more input units and/or one or more output units.

12. A data base as defined in any one of claims 1 to 11, characterized in that the input units comprise a keyboard and the output units comprise display means and/or a monitor.

13. A data base as defined in any one of claims 1 to 12, characterized in that the client and/or user accesses the

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data base(s) with the aid of the input and display unit(s) and fetches data from them as shown on the display unit(s).

14. A data base as defined in any one of claims 1 to 13, characterized in that the interaction between the input unit(s), display unit(s), and data base(s) is supported by at least one computer program.

15. A data base as defined in any one of claims 1 to 14, characterized in that the exchange of data between the operating or display terminals is only possible with the aid of a payment system.

16. A data base as defined in any one of claims 1 to 15, characterized in that the computer program synthesizes a single new data set from selected data sets.

17. A data base as defined in any one of claims 1 to 16, characterized in that the data of the data base serve to construct a tooth model.

18. A tooth model, whose outer and inner surfaces and/or internal structure are specified by means of data and are displayed on an output device, characterized in that the data used for this purpose are taken from a data base and that the data are suitably adapted.

19. A tooth model as defined in claim 18, characterized in that the data comprise sex-specific and/or tooth family-specific and/or biography-specific and/or person-specific characteristics with or without anomalous peculiarities.

20. A tooth model as defined in any one of the previous claims, characterized in that the data exist as digital data and that the tooth model can be displayed as a 3-D representation.

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21. A tooth model as defined in any one of the aforementioned claims, characterized in that the tooth model comprises a group of teeth.

22. A tooth model as defined in any one of the aforementioned claims, characterized in that it comprises an occlusal surface comprising one or more teeth.

23. A tooth model as defined in any one of the aforementioned claims, characterized in that the data of the teeth opposite each other during chewing are taken into account.

24. A tooth model as defined in any one of the above claims, characterized in that the tooth model has been constructed with the aid of a tooth data bank and can be individualized by means of software support.

25. A tooth model as defined in any one of the above claims, characterized in that the tooth model has been constructed with the aid of the tooth data bank and can be interactively individualized according to the concepts of a person.

26. A method of conceiving a tooth model whose external shape and/or internal structure is designed and/or constructed by means of data which represent sex-specific and/or race-specific and/or biography-specific and/or person-specific characteristics, with or without anomalous characteristics, characterized in that the user and/or the client, with the aid of an electronic data processing system,

- accesses said data base,
- combines these data on display means to form an image of a tooth model,

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- and, with the aid of said image of a tooth model, produces the tooth model, whose shape can be processed with the aid of the input and output devices of the electronic data processing system.

27. A method as defined in claim 26, characterized in that the image of the tooth is displayed in three dimensions and can be processed.

28. A method as defined in claim 27 and claim 28, characterized in that the displayed image is just in time reproduced as a three-dimensional model.

29. A data base as defined in any one of the above claims, characterized in that the body displayed on the display unit(s) is a tooth model of a dental close-fit replacement item corresponding to an actual treatment situation, planned or existent.

30. A restorative item as defined in any one of the previous claims, characterized in that it has been designed using a tooth model and/or a tooth data bank and is produced therefrom immediately.